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International Bureau

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>G01N 33/68</b>	<b>A2</b>	<b>(11) International Publication Number:</b> <b>WO 00/43792</b> <b>(43) International Publication Date:</b> 27 July 2000 (27.07.00)
<b>(21) International Application Number:</b> PCT/US00/00790 <b>(22) International Filing Date:</b> 12 January 2000 (12.01.00)  <b>(30) Priority Data:</b> 60/116,502 20 January 1999 (20.01.99) US 60/156,677 29 September 1999 (29.09.99) US  <b>(71) Applicant (for all designated States except US):</b> THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> KEOUGH, Thomas, Woods [US/US]; 9896 Barnsley Court, Cincinnati, OH 45242 (US). YOUNGQUIST, Robert, Scott [US/US]; 8511 Charleston Knoll Court, Mason, OH 45040 (US).  <b>(74) Agents:</b> REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).		<b>(81) Designated States:</b> AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>Without international search report and to be republished upon receipt of that report.</i>
<b>(54) Title:</b> METHODS AND KITS FOR SEQUENCING POLYPEPTIDES  <b>(57) Abstract</b>  The present disclosure provides methods and kits which are useful for sequencing polypeptides. The methods involve derivatization of the N-terminus of the polypeptide or peptides thereof. Mass spectral analysis of one or more of the resulting derivatized analytes provides spectra which are readily interpreted through the use of techniques well-known to the ordinarily skilled artisan. The present disclosure also describes kits which enhance convenient performance of the methods.		